

WHAT IS CLAIMED IS:

1. An image sensing apparatus comprising:
a sensor region including a plurality of pixels
for detecting an object image;
5 a read-out circuit adapted to sequentially read
out signals from the plurality of pixels into a common
output portion; and
a power supply unit adapted to supply electric
powers to said sensor region and to said read-out
10 circuit independently.
2. The image sensing apparatus according to Claim
1, wherein said power supply unit includes a first
power circuit adapted to supply the power to said
15 sensor region and a second power circuit adapted to
supply the power to said read-out circuit.
3. The image sensing apparatus according to Claim
1, wherein said power supply unit includes a first
20 switch adapted to supply the power to said sensor
region and a second switch adapted to supply the power
to said read-out circuit.
4. The image sensing apparatus according to Claim
25 1, further comprising a control circuit adapted to
control said power supply unit so as to supply the
power to said sensor region at a first timing and

supply the power to said read-out circuit at a second time after said first timing.

5 5. The image sensing apparatus according to Claim
4, wherein said control circuit controls said power
supply unit so as to supply the power to said sensor
region, based on a first operation timing of a
radiation generator, and supply the power to said read-
out circuit, based on a second operation timing after
10 said first operation timing of said radiation
generator.

15 6. The image sensing apparatus according to Claim
4, wherein said control circuit controls said power
supply unit so as to supply the power to said sensor
region, based on a ready-request signal for bringing
said radiation generator into a state ready for
radiation exposure, and supply the power to said read-
out circuit, based on a request for exposure to said
20 radiation generator.

25 7. The image sensing apparatus according to Claim
4, wherein said control circuit controls said power
supply unit so as to supply the power to said sensor
region, based on a ready-request signal for bringing
said radiation generator into a state ready for
radiation exposure, and supply the power to said read-

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out circuit, based on completion of radiation exposure of said radiation generator.

8. The image sensing apparatus according to Claim 5, wherein said control circuit performs such control that no power is supplied to said sensor and to said read-out circuit, after completion of read-out of signals from said read-out circuit.

9. The image sensing apparatus according to Claim 5, wherein said control circuit performs selective control of a first state in which no power is supplied to said sensor and to said read-out circuit and into a second state in which no power is supplied to said read-out circuit, after completion of read-out of signals from said read-out circuit.

10. The image sensing apparatus according to Claim 1, wherein said read-out circuit includes amplifiers for amplifying the respective signals from said plurality of pixels.

11. The image sensing apparatus according to Claim 1, wherein the power is supplied to part of said sensor and read-out circuit before radiation exposure and the power is supplied to the whole of said sensor and read-out circuit after completion of radiation

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exposure.

12. An image sensing apparatus comprising:

an image sensing section including a sensor region
5 including a plurality of pixels for detecting an object
image, and a read-out circuit adapted to sequentially
read out signals from the plurality of pixels into a
common output portion;

a power supply unit adapted to supply a power to
10 said image sensing section; and

a control circuit adapted to control said power
supply unit so as to supply the power to a first region
included in said image sensing section at a first
timing, and supply the power to a second region
15 including the first region and larger than the first
region at a second timing after the first timing.

13. An apparatus according to claim 12, wherein
the first timing produces radiation exposure and the
20 second timing follows completion of the radiation
exposure.

14. A method of controlling an image sensing
apparatus comprising a sensor region including a
25 plurality of photoelectric conversion elements for
detecting an object image, and a read-out circuit for
sequentially reading out signals from the plurality of

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photoelectric conversion elements into a common output portion, said method comprising:

a step of supplying electric powers to said sensor region and to said read-out circuit independently.

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15. A method of controlling an image sensing apparatus comprising an image sensing section including a sensor region including a plurality of pixels for detecting an object image, and a read-out circuit adapted to sequentially read out signals from said plurality of pixels into a common output portion, and a power supply unit adapted to supply a power to said image sensing section, said method comprising:

10 a control step of controlling said power supply unit so as to supply the power to a first region included in said image sensing section at a first timing, and supply the power to a second region including the first region and larger than the first region at a second timing after the first timing.

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